Performance Data Sheet

AGA5573EXG

General Information

Model	AGA5573EXG	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	16300	13300					
	Watts	2640	2600					
	Amps	4.71	4.63					
	Lb/h	211	178					
-10	Btu/h	20500	17300	14500				
	Watts	2970	2980	2930				
	Amps	5.19	5.18	5.10				
	Lb/h	264	231	201				
-5	Btu/h	25200	21900	18800	16000			
	Watts	3300	3360	3360	3300			
	Amps	5.65	5.71	5.71	5.65			
	Lb/h	322	290	260	231			
0	Btu/h	30400	26900	23600	20600	17800		
	Watts	3620	3720	3770	3770	3700		
	Amps	6.09	6.22	6.29	6.30	6.25		
	Lb/h	386	354	324	295	267		
5	Btu/h	36100	32400	28900	25700	22600		
	Watts	3930	4080	4170	4220	4210		
	Amps	6.52	6.72	6.85	6.93	6.95		
	Lb/h	455	424	394	365	336		
10	Btu/h	42300	38400	34700	31200	27900	24700	21700
	Watts	4240	4420	4560	4650	4700	4690	4640
	Amps	6.94	7.19	7.39	7.53	7.62	7.66	7.65
	Lb/h	530	499	469	440	411	382	353
15	Btu/h	49000	44900	41000	37200	33500	30000	26700
	Watts	4530	4760	4940	5070	5160	5210	5220
	Amps	7.34	7.64	7.90	8.10	8.26	8.37	8.43
	Lb/h	610	580	550	520	491	461	431
20	Btu/h	56300	51900	47700	43600	39700	35800	32100
	Watts	4820	5080	5300	5470	5610	5710	5760
	Amps	7.72	8.07	8.38	8.64	8.86	9.03	9.16
	Lb/h	695	665	636	606	576	545	514

25	Btu/h	64000	59400	55000	50600	46300	42000	37900
	Watts	5110	5390	5640	5860	6040	6180	6290
	Amps	8.09	8.48	8.84	9.16	9.43	9.66	9.85
	Lb/h	786	757	727	697	667	635	603
30	Btu/h	72300	67400	62700	58000	53300	48700	44200
	Watts	5380	5700	5980	6230	6450	6630	6780
	Amps	8.44	8.88	9.28	9.64	9.97	10.3	10.5
	Lb/h	881	853	824	794	763	730	697
35	Btu/h	81000	75900	70900	65800	60800	55800	50800
	Watts	5650	5990	6300	6580	6840	7060	7260
	Amps	8.77	9.25	9.69	10.1	10.5	10.8	11.1
	Lb/h	982	954	925	895	864	831	796
40	Btu/h	90300	84900	79500	74100	68700	63300	57900
	Watts	5910	6270	6610	6920	7210	7470	7700
	Amps	9.09	9.59	10.1	10.5	10.9	11.3	11.7
	Lb/h	1090	1060	1030	1000	970	936	900
45	Btu/h		94400	88700	82900	77100	71300	65500
	Watts	6170	6550	6900	7240	7560	7850	8120
	Amps	9.39	9.92	10.4	10.9	11.4	11.8	12.2
	Lb/h	1200	1170	1140	1110	1080	1050	1010
50	Btu/h			98300	92200	86000	79700	73400
	Watts	6410	6810	7180	7540	7890	8210	8520
	Amps	9.67	10.2	10.8	11.3	11.8	12.2	12.7
	Lb/h	1310	1290	1260	1230	1200	1160	1120
55	Btu/h					95300	88500	81800
	Watts	6650	7060	7450	7830	8200	8550	8890
	Amps	9.94	10.5	11.1	11.6	12.1	12.6	13.1
	Lb/h	1430	1410	1380	1350	1320	1280	1240

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.675723E+04	8.293566E+02	2.819887E+00	7.092726E+02
C2	1.167654E+03	1.897525E+01	1.161855E-02	9.941151E+00
C3	-5.484461E+02	5.667043E+01	6.603576E-02	-5.009688E+00
C4	1.258969E+01	3.438810E-01	3.705078E-04	1.061574E-01
C5	1.357120E+00	2.534018E-01	6.518455E-04	7.093764E-02
C6	1.172062E+00	-2.721109E-01	-3.181958E-04	1.414367E-02
C7	4.279784E-06	-1.330714E-05	-1.709391E-07	-8.779739E-05
C8	-2.976015E-02	-6.094304E-03	-8.558928E-06	4.562878E-05
C9	-2.909314E-02	3.725169E-03	3.734857E-06	-3.618235E-04
C10	6.908641E-06	-3.865981E-06	5.226838E-08	-2.579766E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature